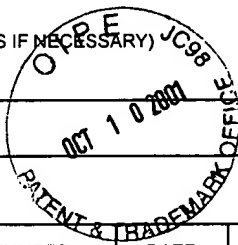


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| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. NATURES.018A | APPLICATION NO. 09/852,155 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY) | | APPLICANT Peter T. McCarthy | |
| | | FILING DATE May 9, 2001 | GROUP 3617 |



U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|---------------------|-----------------|------------|-------------------------|-------|----------|---------------------------------|
| ECG | 5384 | 11/15/1883 | Heathorn | | | |
| | 5,384 | 12/4/1847 | R.A. Tilghman | | | |
| | 144,538 | 11/11,1873 | Harsen | | | |
| | 169,396 | 11/2/1875 | O.G. Ahlstrom | | | |
| | 234,305 | 05/28/25 | Bovey | | | |
| | 476,092 | 12/01/37 | Valente | | | |
| | 783,012 | 02/21/05 | Biedermann et al. | | | |
| | 787,291 | unknown | Michiels | | | |
| | 871,059 | 11/12/07 | Douse | | | |
| | 998,146 | 07/18/11 | Alfier et al. | | | |
| | 1,324,722 | 12/11/1917 | William Bergin | | | |
| | 1,607,857 | 5/27/1926 | F. Zukal | | | |
| | 1,684,714 | 08/12/27 | Perry | | | |
| | 2,241,305 | 02/27/39 | Hill, Jr. | | | |
| | 2,321,009 | 9/27/1940 | O.P. Churchill | | | |
| | 2,343,468 | | Messinger | | | |
| | 2,423,571 | 07/08/47 | Wilen | | | |
| | 2,588,363 | 03/11/52 | Corlieu | | | |
| | 2,850,487 | 9/2/1958 | Gaetano F. D'Aiello | | | |
| | 2,865,033 | 12/23/1958 | D.L. Jayet | | | |
| | 2,889,563 | 6/9/1959 | E.W. Lamb, et. al. | | | |
| | 2,903,719 | 9/15/1959 | J.L. Wozencraft | | | |
| | 2,950,487 | 08/30/60 | Woods | | | |
| | 3,019,458 | 2/6/1962 | E. De Barbieri, et. al. | | | |
| | 3,055,025 | 9/25/1962 | L. Ferraro, et. al. | | | |
| | 3,082,442 | 1959 | Cousteau, et al. | | | |

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| EXAMINER ED SWINEHART | DATE CONSIDERED 5/12/03 |
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*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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| FORM PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. NATURES.018A | APPLICATION NO. 09/852,155 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY) | | APPLICANT Peter T. McCarthy | |
| | | FILING DATE May 9, 2001 | GROUP 3617 |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|--|-----------------|-----------|---------------------|-------|----------|---------------------------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
| <i>See</i> | | 3,084,355 | 04/09/63 | Ciccotelli | | | |
| | | 3,086,492 | 04/23/63 | Holley | | | |
| | | 3,112,503 | 12/3/1963 | B.B. Girden | | | |
| | | 3,171,142 | | Auzols | | | |
| | | 3,239,857 | 3/15/1966 | Frederick H. Gwynne | | | |
| | | 3,256,540 | | Novelli | | | |
| | | 3,411,165 | 11/19/68 | Murdoch | | | |
| | | 3,422,470 | 01/21/69 | Mares | | | |
| | | 3,453,981 | 07/08/69 | Gause | | | |
| | | 3,491,997 | 01/27/70 | Winters | | | |
| | | 3,665,535 | 5/30/1972 | Picken | | | |
| | | 3,773,011 | 11/20/73 | Gronier | | | |
| | | 3,922,741 | 12/02/75 | Semeia | | | |
| | | 3,934,290 | 01/27/76 | Le Vasseur | | | |
| | | 4,007,506 | 2/15/1977 | Rasmussen | | | |
| | | 4,025,977 | 5/31/1977 | Cronin | | | |
| | | 4,083,071 | 04/11/78 | Forjot | | | |
| | | 4,193,371 | 03/18/80 | Baulard-Caugan | | | |
| | | 4,197,869 | 04/15/80 | Moncrieff-Yeates | | | |
| | | 4,209,866 | 7/1/1980 | Loeffler | | | |
| | | 4,342,558 | 08/03/82 | Wilson | | | |
| | | 4,521,220 | 06/04/85 | Schoofs | | | |
| | | 4,541,810 | 09/17/85 | Wenzel | | | |
| | | 4,657,515 | 4/14/1987 | Ciccotelli | | | |
| | | 4,689,029 | 8/25/1987 | Ciccotelli | | | |
| | | 4,738,645 | 04/19/88 | Garofalo | | | |

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| EXAMINER | ED SWINEHART | DATE CONSIDERED | 5/13/03 |
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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
NATURES.018AAPPLICATION NO.
09/852,155INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

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APPLICANT
Peter T. McCarthyFILING DATE
May 9, 2001GROUP
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|---------------------|-----------------|------------|------------------|-------|----------|---------------------------------|
| ES | 4,752,259 | 6/21/1988 | Tackett, et. al. | | | |
| | 4,773,885 | 9/27/1988 | Ciccotelli | | | |
| | 4,775,343 | 10/4/1988 | Lamont, et. al. | | | |
| | 4,781,637 | 11/01/88 | Caires | | | |
| | 4,820,218 | 04/11/89 | Van de Pol | | | |
| | 4,857,024 | 08/15/89 | Evans | | | |
| | 4,869,696 | 9/26/1989 | Ciccotelli | | | |
| | 4,895,537 | 1/23/1990 | Ciccotelli | | | |
| | 4,929,206 | 5/29/1990 | Evans | | | |
| | 4,934,971 | 06/19/90 | Picken | | | |
| | 4,940,437 | 07/10/90 | Piatt | | | |
| | 4,944,703 | 07/31/90 | Mosier | | | |
| | 4,954,111 | 09/04/90 | Cressi | | | |
| | 4,954,112 | 09/04/90 | Negrini et al. | | | |
| | 5,163,859 | 11/17/92 | Beltrani, et al. | | | |
| | 5,304,081 | 4/19/1994 | Takizawa | | | |
| | 5,324,219 | 06/28/94 | Beltrani et al. | | | |
| | 5,356,323 | 10/18/94 | Evans | | | |
| | 5,358,323 | 10/25/94 | Ripley | | | |
| | 5,358,439 | 10/25/1994 | Paolo | | | |
| | 5,387,145 | 2/7/1995 | Wagner | | | |
| | 5,417,599 | 05/23/95 | Evans | | | |
| | 5,429,536 | 7/4/1995 | Evans | | | |
| | 5,435,764 | 7/25/1995 | Testa, et. al. | | | |
| | 5,443,593 | 8/22/1995 | Garofalo | | | |
| | 5,522,748 | 6/4/1996 | Cressi | | | |

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PRIMARY EXAMINER

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Peter T. McCarthyFILING DATE
May 9, 2001GROUP
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
|---------------------|-----------------|------------|---------------|-------|----------|---------------------------------|
| ES | 5,527,197 | 6/18/1996 | Evans | | | |
| | 5,533,918 | 7/9/1996 | Sanders | | | |
| | 5,595,518 | 1/21/1997 | Ours | | | |
| | 5,597,336 | 1/28/1997 | Evans | | | |
| | 5,746,631 | 5/5/1998 | McCarthy | | | |
| | 6,050,868 | 4/18/00 | McCarthy | | | |
| | 6,095,879 | 8/2000 | McCarthy | | | |
| | 6,126,503 | 10/3/00 | Viale, et al. | | | |
| | Des. 278,165 | 3/26/1985 | Evans | | | |
| | Des. 302,999 | 8/22/1989 | McCredie | | | |
| | Des. 327,933 | 7/14/1992 | Evans | | | |
| | Des. 327,934 | 7/14/1992 | Evans | | | |
| | Des. 327,935 | 7/14/1992 | Evans | | | |
| | Des. 328,118 | 7/21/1992 | Evans | | | |
| | Des. 340,272 | 10/12/1993 | Evans | | | |
| | Des. 353,181 | 12/6/1994 | Evans | | | |
| | Des. 393,684 | 4/21/1998 | Lin | | | |
| | Des. 396,897 | 8/11/1998 | Evans | | | |
| | Des. 404,456 | 1/19/1999 | Evans | | | |
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FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
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| | | | | | | YES | NO |
| ES | 1501208 | Nov 1967 | France | | | | |

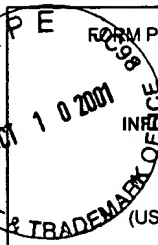
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PRIMARY EXAMINER

DATE CONSIDERED

5/12/03

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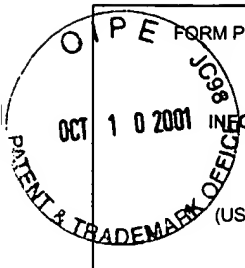
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|  FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY) | ATTY. DOCKET NO. NATURES.018A | APPLICATION NO. 09/852,155 |
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| | FILING DATE May 9, 2001 | GROUP 3617 |

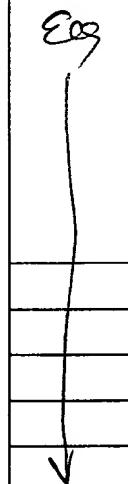
| FOREIGN PATENT DOCUMENTS | | | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
| | | | | | | | YES | NO |
| ES | | DD 259 353 A | 08/24/88 | Germany | | | | |
| | | FR 2574 748 A | 06/20/86 | France | | | | |
| | | JP62 134395 | 06/17/87 | Japan | | | | |
| | | SU 1323 463 A | 03/13/86 | Soviet Union | | | | |
| | | 625377 | 09/19/61 | Italy | | | | |
| | | 0 308 998 | 03/29/89 | Europe | | | | |
| | | DE 3438808 | 04/24/86 | Germany | | | | |
| | | 2 058 941 | 1971 | France | | | | |
| | | 2 213 072 | 1974 | France | | | | |
| | | 625377 | 09/19/61 | ITALY (with Certified Translation) | | | X | |
| | | 1,245,395 | 9/26/60 | FRANCE (with Certified Translation) | | | X | |
| | | 17,033 | 1890 | England | | | | |
| | | 787,291 | 1935 | France | | | | |
| | | 1,245,395 | 1960 | France | | | | |
| | | 553307 | 1956 | Italy | | | | |
| | | 61-6097 | 1986 | Japan | | | | |
| | | 1,075 997 | 1960 | Germany | | | | |
| | | 1,075 997 | 1960 | Germany (with Certified Translation) | | | X | |
| | | 1,208,636 | 1959 | France | | | | |
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| EXAMINER INITIAL | OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.) |
|---------------------|---|
| ES | Rossier, Robert N., entitled, "Moving Forward - Getting your best kick in the water can come from a combination of design, efficiency and hydrodynamics in fins". ALERT DIVER, Nov-Dec 1997, pages 26 - 28. |
| | Triantafyllou, Michael S. and Triantafyllou George S., entitled, "An Efficient Swimming Machine". SCIENTIFIC AMERICAN, March 1995, pages 64-70. |
| | "3302 of 1880" (Picture From Book-Found in US PTO) |

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| EXAMINER | ED SWINEHART | DATE CONSIDERED | 5/12/03 |
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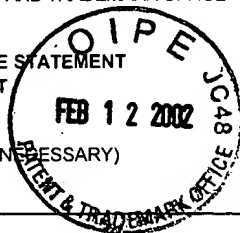
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|--|--|
|  | "Test Dive" Article in Jan/Feb 1996 issue of <i>Sport Diver Magazine</i> |
| | "Oceanic V-Drive Fins" in May/Jun. 1996 Issue of <i>Sport Diver Magazine</i> |
| | Walton and Katz "Application of Leading-Edge Vortex Manipulations to Reduce Wing Rock Amplitudes" <i>Journal of Aircraft</i> Vol. 30, No. 4, pp. 555-559 |
| | Traub and Nurick "Effects of Wing-Tip Vortex Flaps" <i>Journal of Aircraft</i> Vol. 30, No. 4, pp. 557-559 |
| | Grantz and Marchman III "Trailing Edge Flap Influence on Leading Edge Vortex Flap Aerodynamics", <i>Journal of Aircraft</i> Vol. 20, No. 2, pp. 165-169 |
| | Rao "An Exploratory Study of Area-Efficient Vortex Flap Concepts" <i>Journal of Aircraft</i> , Vol. 20, No. 12, pp. 1062-1067 |
| | Lamar and Campbell "Vortex Flaps-Advanced Control Devices for Supercruise Fighters" Jan. 1984, Aerospace America. |
| | "BZ" bodysurfing fin (Picture), 1 st production in 1990 |
| "Blade Pro" bodysurfing fin (Picture), 1 st production 1991 | |
| "Wave Rebel" bodysurfing fin (Picture), 1 st production 1994 | |
| Art. 1400 Pinna "Professional" Fin (1989) | |

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| EXAMINER ED SWINEHART PRIMARY EXAMINER | DATE CONSIDERED 5/12/03 |
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| U.S. PATENT DOCUMENTS | | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
| <i>ecy</i> | | 5,810,629 | 9/22/98 | Parr | | | |
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| | | | | | | | YES | NO |
| ges | | 2 543 841 | April 5, 1983 | France | | | | |
| ecy | | 1284765 | Aug.9, 1972 | Great Britain | | | | |
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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE (IF APPROPRIATE) |
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| 661 | 6,146,224 | 11/14/00 | McCarthy | | | |
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| | | | | | | YES | NO |
| 661 | 2 543,841 | April 5, 1983 | France (certified translation) | | | X | |
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